

1025 U.S. PTO
10/60/01

12-10-01
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JCS71 U.S. PTO
10/09/01

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11/09/01

at: Jeffrey Oliver et al.
No.: 100.339US01
Title: HARDWARE CONTROLLER AND MONITOR

Commissioner for Patents
ATTN: Box Patent Application
Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet:

Utility Patent Application: Specification (21 pgs. including 46 claims and 1 pg. Abstract).
 4 Sheets of Formal Drawings.
 A signed Combined Declaration and Power of Attorney (3 pgs.).
 An Assignment of the invention to ADC DSL Systems, Inc. (3 pgs.) and Recordation Form Cover Sheet (1 pg.).
 A check in the amount of \$40.00 to cover the Assignment Recording Fee.
 A check in the amount of \$1,628.00 to cover the filing fee as calculated below.
 A return postcard.

The filing fee has been calculated below as follows:

APPLICATION FILING FEE

	Number of Claims Filed (1)	Claims Included in Basic Filing Fee (2)	Number of Extra Claims (1-2)	Cost per Extra Claim	Fee Required
Total Claims	46	- 20 =	26	x \$ 18 =	\$ 468
Independent Claims	8	- 3 =	5	x \$ 84 =	\$ 420
				One or More Multiple Dependent Claims Presented?	\$ 0
				Enter Basic Filing Fee (Utility Patent-Large Entity)	\$ 740
				Total Application Filing Fee	\$ 1,628

Please charge any additional fees or credit overpayment to Deposit Account No. 501373.

FOGG, SLIFER & POLGLAZE, P.A.
P.O. Box 581009, Minneapolis, MN 55458-1009

By: Laura A. Ryan
Name: Laura A. Ryan
Reg. No.: 49,055
Telephone: 612-312-2200
Facsimile: 612-312-2250

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"Express Mail" mailing label number: EL619114045US Date of Deposit: November 9, 2001
These papers and fees are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and addressed to the Commissioner for Patents, ATTN: Box Patent Application, Washington, D.C. 20231.

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